

Medline  
update  
1-18-96  
08/300,510

Set	Items	Description
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? b 155

18jan96 15:08:17 User208709 Session D280.1  
\$0.03 0.001 Hrs File1  
\$0.03 Estimated cost File1  
\$0.03 Estimated cost this search  
\$0.03 Estimated total session cost 0.001 Hrs.

File 155:MEDLINE(R) 1966-1996/Jan W4  
(c) format only 1996 Knight-Ridder Info

Set	Items	Description
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? s peptide and tolerance

150611 PEPTIDE  
73179 TOLERANCE  
S1 2011 PEPTIDE AND TOLERANCE  
? s peptide/ti and tolerance/ti

25078 PEPTIDE/TI  
16754 TOLERANCE/TI  
S2 83 PEPTIDE/TI AND TOLERANCE/TI  
? s s2 not py>1990

83 S2  
1743194 PY>1990  
S3 51 S2 NOT PY>1990  
? rd s3

...examined 50 records (50)  
...completed examining records  
S4 51 RD S3 (unique items)  
? t s4/3/1-51

4/3/1  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07678941 91197941  
Glucose, insulin and C-peptide kinetics during an oral glucose  
tolerance test in patients with chronic liver disease.  
Min YK; Suh KI; Choi SJ; Lee HK; Kim CY; Koh CS; Min HK  
Korean J Intern Med (KOREA) Jan 1987, 2 (1) p37-41,  
Journal Code: AZI  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/2

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07382013 90289013

Effect of human fetal pancreas transplantation on secretion of C-peptide and glucose tolerance in type I diabetics.

Robertson RP; Lafferty KJ; Haug CE; Weil R 3d

Department of Medicine, University of Colorado School of Medicine, Denver.

Transplant Proc (UNITED STATES) Feb 1987, 19 (1 Pt 3) p2354-6, ISSN 0041-1345 Journal Code: WE9

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/3

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07301325 90208325

Limit of T cell tolerance to self proteins by peptide presentation. Schild H; Rotzschke O; Kalbacher H; Rammensee HG  
Max-Planck-Institut fur Biologie, Abteilung Immungenetik, Tubingen, Federal Republic of Germany.

Science (UNITED STATES) Mar 30 1990, 247 (4950) p1587-9, ISSN 0036-8075 Journal Code: UJ7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/4

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07298723 90205723

[The effect of atrial natriuretic peptide on glucose tolerance and insulin level]

Die Wirkung des atrialen natriuretischen Peptids auf Glucosetoleranz und Insulinspiegel.

Haak T; Jungmann E; Hannappel B; Schoffling K  
Abteilung fur Endokrinologie, Zentrum der Inneren Medizin, Klinikum der Johann-Wolfgang-Goethe-Universitat Frankfurt/Main.

Med Klin (GERMANY, WEST) Feb 15 1990, 85 (2) p61-4, ISSN 0723-5003 Journal Code: M9K

Languages: GERMAN Summary Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL English Abstract

4/3/5

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07081116 89383116

[Increasing myocardial tolerance of global ischemia and reperfusion injury using a synthetic peptide]

Povyshenie s pomo'shchiu sinteticheskogo peptida tolerantnosti miokarda k "globa'lnoi ishemii" i reperfuzionnym povrezhdeniim.

Dvortsin GF; Shatalov VN

Kardiologiya (USSR) Jun 1989, 29 (6) p85-8, ISSN 0022-9040

Journal Code: KU9

Languages: RUSSIAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/6

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07078741 89380741

Prehepatic beta-cell secretion during the intravenous glucose tolerance test in humans: application of a combined model of insulin and C-peptide kinetics.

Watanabe RM; Volund A; Roy S; Bergman RN

Department of Physiology, University of Southern California School of Medicine, Los Angeles 90033.

J Clin Endocrinol Metab (UNITED STATES) Oct 1989, 69 (4) p790-7, ISSN 0021-972X Journal Code: HRB

Contract/Grant No.: N01-HD-52906; DK-29867-07; M01-RR-43

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/7

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06933587 89235587

Peptide-specific prevention of experimental allergic encephalomyelitis. Neonatal tolerance induced to the dominant T cell determinant of myelin basic protein.

Clayton JP; Gammon GM; Ando DG; Kono DH; Hood L; Sercarz EE University of California, Department of Microbiology, Los Angeles 90024. J Exp Med (UNITED STATES) May 1 1989, 169 (5) p1681-91, ISSN 0022-1007 Journal Code: I2V

Contract/Grant No.: AI-11183

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/8

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06693216 88338216

Brain monoamines are involved in mediating the action of neurohypophyseal peptide hormones on ethanol tolerance.

Szabo G; Kovacs GL; Telegdy G  
Department of Pathophysiology, University Medical  
School, Szeged, Hungary.  
Acta Physiol Hung (HUNGARY) 1988, 71 (3) p459-66, ISSN  
0231-424X Journal Code: 1RS  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/9  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06677950 88322950  
[C-peptide and glucose tolerance in thyrotoxicosis]  
C-peptid a glukozova tolerance u tyreotoxikozy.  
Felt V  
Vnitr Lek (CZECHOSLOVAKIA) Jun 1988, 34 (6) p554-7, ISSN  
0042-773X Journal Code: XFY  
Languages: CZECH Summary Languages: ENGLISH  
Document type: JOURNAL ARTICLE English Abstract

4/3/10  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06650639 88295639  
Proinsulin, insulin, and C-peptide in cystic fibrosis  
after an oral glucose tolerance test.  
Hartling SG; Garne S; Binder C; Heilmann C; Petersen W;  
Petersen KE; Koch C  
Steno Memorial Hospital, Gentofte, Denmark.  
Diabetes Res (SCOTLAND) Apr 1988, 7 (4) p165-9, ISSN  
0265-5985 Journal Code: DIA  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/11  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06646880 88291880  
Plasma insulin and C-peptide responses to oral glucose  
load after physical exercise in men with normal and impaired  
glucose tolerance. Nazar K; Kaciuba-Uscilko H;  
Chwalbinska-Moneta J; Krotkiewski M; Bicz B Department of  
Applied Physiology, Polish Academy of Sciences, Warsaw. Acta  
Physiol Pol (POLAND) Nov-Dec 1987, 38 (6) p458-66,  
ISSN 0044-6033 Journal Code: 1TI  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/12

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06554010 88199010

Neonatal exposure to immunogenic peptides. Differential susceptibility to tolerance induction of helper T cells and B cells reactive to malarial circumsporozoite peptide epitopes.

Pombo D; Maloy WL; Berzofsky JA; Good MF

Laboratory of Parasitic Diseases, National Institute of Allergy and Infectious Diseases, Bethesda, MD 20892.

J Immunol (UNITED STATES) May 15 1988, 140 (10)  
p3594-8, ISSN 0022-1767 Journal Code: IFB

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/13

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06539644 88184644

[C-peptide, glucose tolerance and free fatty acids in hypothyroidism] C-peptid, glukzokova tolerance a volne mastne kyseliny u hypotyreozy. Felt V

Cas Lek Cesk (CZECHOSLOVAKIA) Feb 12 1988, 127 (7)  
p208-9, ISSN 0008-7335 Journal Code: CPY

Languages: CZECH Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/14

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06518010 88163010

Urinary C-peptide in the neonate correlates both to maternal glucose tolerance and to fetal size at birth.

Lunell NO; Persson B; Devarajan LV; Hassan S; Hathout H; Kasrawi R; Saleh A; Viktorin L

Department of Obstetrics and Gynecology, Huddinge University Hospital, Sweden.

Am J Perinatol (UNITED STATES) Apr 1988, 5 (2) p144-5, ISSN 0735-1631 Journal Code: AA3

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/15

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06272105 87246105

Glucose, insulin and C-peptide kinetics during

intravenous glucose tolerance test in chronic liver disease.  
Lee KU; Rhee BD; Lee HK; Kim CY; Koh CS; Min HK  
Diabetes Res Clin Pract (NETHERLANDS) May-Jun 1987, 3 (3)  
p161-6, ISSN 0168-8227 Journal Code: EBI  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/16  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06160004 87134004  
Age-dependent relationship of fasting C-peptide concentration  
and insulin secretion in non-obese subjects with normal glucose  
tolerance. Ratzmann KP; Strese J; Kohnert KD; Jahr D; Michaelis  
D  
Exp Clin Endocrinol (GERMANY, EAST) Nov 1986, 88 (1)  
p57-63, ISSN 0232-7384 Journal Code: EPA  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/17  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06017884 86318884  
The role of ranitidine infusion on glucose, insulin and  
C-peptide serum levels induced by oral glucose tolerance test in  
healthy subjects. Gentile S; Marmo R; Costume A; Orlando C;  
D'Alessandro R; De Bellis G; Porcellini M; Coltorti M  
Acta Diabetol Lat (ITALY) Apr-Jun 1986, 23 (2)  
p165-70, ISSN 0001-5563 Journal Code: OMU  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/18  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05952100 86253100  
Induction of tolerance to one determinant on a synthetic  
peptide does not affect the response to a second linked  
determinant. Implications for the mechanism of neonatal tolerance  
induction.  
Gammon GM; Oki A; Shastri N; Sercarz EE  
J Exp Med (UNITED STATES) Aug 1 1986, 164 (2) p667-72, ISSN  
0022-1007 Journal Code: I2V  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/19  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05795407 86096407  
Fasting plasma C-peptide levels in health and impaired glucose tolerance: relations to blood glucose and relative body weight.  
Birgerstam G; Malmquist J  
Scand J Clin Lab Invest (NORWAY) Dec 1985, 45 (8)  
p707-12, ISSN 0036-5513 Journal Code: UCP  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/20  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05717571 86018571  
Peptide hormones in saliva. I. Insulin in saliva during the oral glucose tolerance test in female patients.  
Simionescu L; Aman E; Museteanu P; Dinulescu E; Giurcaneanu M  
Endocrinologie (ROMANIA) Jul-Sep 1985, 23 (3) p179-87, ISSN 0035-4015 Journal Code: T36  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/21  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05702195 86003195  
Glucose tolerance and insulin and C-peptide responses after various insulin secretory stimuli in hyper- and hypothyroid subjects before and after treatment.  
Ahren B; Lundquist I; Hedner P; Valdemarsson S; Schersten B  
Diabetes Res (SCOTLAND) Mar 1985, 2 (2) p95-103, ISSN 0265-5985 Journal Code: DIA  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/22  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05663355 85279355  
The analgesically effective peptide deprolophrin exhibits cross-tolerance to morphine in rats.  
Grecksch G; Ruthrich HL  
Biomed Biochim Acta (GERMANY, EAST) 1985, 44 (4)  
p649-52, ISSN 0232-766X Journal Code: 9YX  
Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/23

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05527550 85143550

[Plasma concentrations of C-peptide and glucose during glucose tolerance tests. The effects of running]

Plasmakoncentrationen af C-peptid og glukose hos kvinder under glukosebelastning. Effekten af lobetraening.

Mikkelsen S; Danneskiold-Samsoe B; Nygaard E; Stage HP; Sigsgaard I; Egsmose C; Christensen H; Thorsteinsson B  
Ugeskr Laeger (DENMARK) Jan 21 1985, 147 (4) p256-8, ISSN 0041-5782 Journal Code: WM8

Languages: DANISH Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/24

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05397286 85013286

[Insulin, peptide C and glucide tolerance in chronic alcoholic hepatopathies]

Insulina, peptide C e tolleranza glucidica nelle epatopatie alcoliche croniche.

Nardoni A; Marchetti E; Sabbattini E; Geatti O; Nador G  
Minerva Med (ITALY) Sep 8 1984, 75 (34) p1933-8, ISSN 0026-4806 Journal Code: N6M

Languages: ITALIAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/25

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05339315 84263315

Serum insulin & C-peptide responses in individuals with impaired glucose tolerance & diabetes.

Snehalatha C; Mohan V; Ramachandran A; Jayashree R; Viswanathan M  
Indian J Med Res (INDIA) Mar 1984, 79 p378-83, ISSN 0019-5340 Journal Code: GJF

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/26

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.



05270975 84194975

Glucose, insulin and C-peptide release during a galactose tolerance test in alcoholic cirrhosis.

Cavanna A; Avagnina P; Tappero R; Passarino G; Carta Q  
Quad Sclavo Diagn (ITALY) Mar 1983, 19 (1) p78-89, ISSN

0033-4979 Journal Code: QLU

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/27

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05250529 84174529

[Tolerance of intraduodenal tube feeding. Prospective studies of the tolerance of a 10-day, continuous intraduodenal administration of a peptide diet and its effects on various serum parameters in healthy subjects] Die Vertraglichkeit der intraduodenalen Sondenernahrung. Eine prospektive Untersuchung zur Akzeptanz einer 10tagigen, kontinuierlichen, intraduodenalen Applikation einer Peptiddiat und ihrer Auswirkung auf einzelne Serumparameter bei gesunden Probanden.

Emde C; Liehr RM; Zeitz M; Menge H

Z Gastroenterol (GERMANY, WEST) Feb 1984, 22 (2)  
p66-74, ISSN 0044-2771 Journal Code: XU1

Languages: GERMAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/28

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05207666 84131666

[Insulin and C-peptide in chronic liver diseases during oral glucose tolerance testing]

Insulin und C-Peptid bei chronischen Leberkrankheiten wahrend oraler Glucosebelastung.

Oehler G; Knecht M; Bleyl H; Matthes KJ

Dtsch Med Wochenschr (GERMANY, WEST) Feb 17 1984, 109 (7)  
p253-7, ISSN 0012-0472 Journal Code: ECL

Languages: GERMAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/29

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05133502 84057502

Impairment of glucose tolerance in yellow (Avy/A) (BALB/c X VY) F-1 hybrid mice by hyperglycemic peptide(s) from human pituitary glands. Frigeri LG; Wolff GL; Robel G

Endocrinology (UNITED STATES) Dec 1983, 113 (6)  
p2097-105, ISSN 0013-7227 Journal Code: EGZ  
Contract/Grant No.: HL-20517  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/30  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04933889 83166889  
[Importance of plasma C-peptide evaluation during the oral glucose tolerance test in infantile and juvenile obesity (letter)] Interesse della valutazione del C-peptide plasmatico durante OGTT nella adiposita infanto-giovanile.  
Marincola G; Cogliati F; Mauri R; Atterrato A; Resentini M  
Minerva Pediatr (ITALY) Jan 31 1983, 35 (1-2) p77, ISSN 0026-4946 Journal Code: NAM  
Languages: ITALIAN  
Document type: LETTER

4/3/31  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04921858 83154858  
[Plasma insulin, glucose and C-peptide responses to oral glucose tolerance test in patients with liver disease]  
Chung Hua I Hsueh Tsa Chih (CHINA) Nov 1982, 62 (11)  
p657-61, ISSN 0376-2491 Journal Code: CDG  
Languages: CHINESE  
Document type: JOURNAL ARTICLE

4/3/32  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04921856 83154856  
[Plasma glucose, insulin and C-peptide responses in normal subjects to 100, 75 and 50 grams of glucose load during glucose tolerance test] Chung Hua I Hsueh Tsa Chih (CHINA) Nov 1982, 62 (11) p648-50, ISSN 0376-2491 Journal Code: CDG  
Languages: CHINESE  
Document type: JOURNAL ARTICLE

4/3/33  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04858310 83091310

Structural requirements for neurohypophyseal peptide maintenance of ethanol tolerance.

Hoffman PL

Pharmacol Biochem Behav (UNITED STATES) Oct 1982, 17 (4)  
p685-90, ISSN 0091-3057 Journal Code: P3Q

Contract/Grant No.: AA-3817; AA-2696; DA-1951

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/34

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04830199 83063199

Structure activity relationship studies with hypothalamic peptide hormones III. Effect of melanotropin-release inhibiting factor and analogs on tolerance to morphine in the rat.

Bhargava HN; Kim HS

Neuropharmacology (ENGLAND) Sep 1982, 21 (9) p917-22, ISSN  
0028-3908 Journal Code: NZB

Contract/Grant No.: DA-02598

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/35

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04632992 82175992

Glucose tolerance, plasma insulin and C-peptide during chloroquine treatment of rheumatoid arthritis.

Ericsson UB; Almer LO; Wollheim FA

Scand J Clin Lab Invest (NORWAY) Nov 1981, 41 (7)  
p691-4, ISSN 0036-5513 Journal Code: UCP

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/36

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04630418 82173418

Hypothalamic peptide hormone, prolyl-leucyl-glycinamide and analog, inhibit tolerance to the analgesic and locomotor depressant but not to the locomotor stimulant effects of morphine in the mouse.

Bhargava HN

Neuropharmacology (ENGLAND) Mar 1982, 21 (3) p227-33, ISSN  
0028-3908 Journal Code: NZB

Contract/Grant No.: DA-02598

Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/37

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04579205 82122205

Structure activity relationship studies with  
hypothalamic peptide hormones. I. Effect of melanotropin  
release inhibiting factor and analogs on tolerance to morphine in  
the rat.

Bhargava HN; Kim HS

J Pharmacol Exp Ther (UNITED STATES) Feb 1982, 220 (2)  
p394-8, ISSN 0022-3565 Journal Code: JP3

Contract/Grant No.: DA-02598

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/38

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04441732 81269732

The effects of a hypothalamic peptide factor, MIF and its  
cyclic analog on tolerance to haloperidol in the rat.

Bhargava HN

Life Sci (ENGLAND) Jul 6 1981, 29 (1) p45-51, ISSN  
0024-3205 Journal Code: L62

Contract/Grant No.: DA-02598

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/39

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04432543 81260543

[The behavior of glucose tolerance, serum insulin and  
C-peptide in acute viral hepatitis]

Verhalten von Glukosetoleranz, Seruminsulin und C-Peptid im  
Verlauf einer akuten Virushepatitis.

Kelch L; Adlung J; Babaian E; Jaensch H

Dtsch Z Verdau Stoffwechselkr (GERMANY, EAST) 1981, 41 (3)  
p134-43, ISSN 0012-1053 Journal Code: ED2

Languages: GERMAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/40

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04429842 81257842

Development of acute tolerance during exposure of hippocampal explants to an opioid peptide.

Gahwiler BH

Brain Res (NETHERLANDS) Jul 27 1981, 217 (1) p196-200, ISSN 0006-8993 Journal Code: B5L

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/41

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04396016 81224016

Neurohypophyseal peptide influences on ethanol tolerance and acute effects of ethanol.

Hoffman PL; Ritzmann RF; Tabakoff B

Pharmacol Biochem Behav (UNITED STATES) 1980, 13 Suppl 1 p279-84, ISSN 0091-3057 Journal Code: P3Q

Contract/Grant No.: AA-3817; AA-2696; DA-2024; +

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/42

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04392585 81220585

[Behavior of C-peptide during the oral glucose tolerance test in obese children]

Comportamento del C-peptide durante il carico orale di glucosio nel bambino obeso.

Mazzanti L; Salardi S; Villa MP; Ventura D; Colaiuda B; Cocchi V; Capelli M; Tomesani A

Minerva Pediatr (ITALY) Apr 15 1981, 33 (7) p309-15, ISSN 0026-4946 Journal Code: NAM

Languages: ITALIAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/43

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04377932 81205932

[Simultaneous determination of blood insulin and plasma C-peptide levels. Value during assessment of glucose tolerance, especially in obese subjects (author's transl)]

Interet de la determination simultanee des taux d'insuline et C-peptide plasmatiques pour l'appréciation de la tolerance

glucidique, notamment chez l'obese.

Pinget M; Demangeat C; Comte F; Brogard JM; Jacques C; Sapin R;  
Dorner M Ann Endocrinol (Paris) (FRANCE) Sep-Oct 1980, 41  
(5) p399-414, ISSN 0003-4266 Journal Code: 540  
Languages: FRENCH Summary Languages: ENGLISH  
Document type: JOURNAL ARTICLE English Abstract

4/3/44

DIALOG(R)File 155:MEDLINE(R)

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04127956 80238956

Inhibition of development of tolerance to morphine by a  
peptide related to ACTH.

Stewart JM; Chipkin RE; Channabasavaiah K; Gay ML; Krivoy WA  
Adv Biochem Psychopharmacol (UNITED STATES) 1980, 22  
p305-12, ISSN 0065-2229 Journal Code: 2I8

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/45

DIALOG(R)File 155:MEDLINE(R)

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04123606 80234606

Prolactin, Growth hormone, thyrotropin, insulin,  
C-peptide, glucose tolerance and pituitary-gonadal axis in  
patients with compensated renal failure.

Schernthaner G; Stummvoll HK; Ludwig H; Spona J  
Proc Eur Dial Transplant Assoc (ENGLAND) 1979, 16  
p703-5, ISSN 0071-2736 Journal Code: PT4

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/46

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04034559 80145559

[Immunoreactive insulin and C-peptide in glucose tolerance  
disturbances in the relatives of diabetes mellitus patients]

Immunoreaktivnyi insulin i C-peptid pri narusheniakh  
tolerantnosti k gliukoze u rodstvennikov bol'nykh sakharnym  
diabetom.

Mazovetskii AG; Zavadskii PS; Tursunov B; Masenko VP  
Probl Endokrinol (Mosk) (USSR) Jan-Feb 1980, 26 (1)  
p8-12, ISSN 0032-9509 Journal Code: PNH

Languages: RUSSIAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

4/3/47

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04001415 80112415

Peptide--neurotransmitter interactions influencing ethanol tolerance. Hoffman PL; Tabakoff B

Drug Alcohol Depend (SWITZERLAND) May-Jul 1979, 4 (3-4)  
p249-53, ISSN 0376-8716 Journal Code: EBS

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/48

DIALOG(R)File 155:MEDLINE(R)

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03817373 79194373

Carbohydrate metabolism in pregnancy. XV. Plasma C-peptide during intravenous glucose tolerance in neonates from normal and insulin-treated diabetic mothers.

Phelps RL; Freinkel N; Rubenstein AH; Kuzuya H; Metzger BE; Boehm JJ; Molsted-Pedersen L

J Clin Endocrinol Metab (UNITED STATES) Jan 1978, 46 (1)  
p61-8, ISSN 0021-972X Journal Code: HRB

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/49

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03724203 79101203

A prospective study of glucose tolerance, insulin, C-peptide, and glucagon responses in patients with pancreatic carcinoma.

Schwartz SS; Zeidler A; Moossa AR; Kuku SF; Rubenstein AH Am J Dig Dis (UNITED STATES) Dec 1978, 23 (12) p1107-14, ISSN 0002-9211 Journal Code: 3G6

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/50

DIALOG(R)File 155:MEDLINE(R)

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03165466 77067466

[Changes in serum C-peptide in glucose tolerance test; with special reference to diabetes and insulinoma]

Iwaya S; Odagiri R; Tasaka J; Hirata U  
Hormon To Rinsho (JAPAN) 1976, 24 (5) p443-8, ISSN 0045-7167 Journal Code: DCP

tolerance. These studies provide in vivo experiments supporting clonal inactivation as the mechanism of neonatal tolerance to immunogenic peptides.

5/7/7

DIALOG(R)File 155:MEDLINE(R)

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05663355 85279355

The analgesically effective peptide deprolorphin exhibits cross-tolerance to morphine in rats.

Grecksch G; Ruthrich HL

Biomed Biochim Acta (GERMANY, EAST) 1985, 44 (4)  
p649-52, ISSN 0232-766X Journal Code: 9YX

Languages: ENGLISH

Document type: JOURNAL ARTICLE

The potent analgesically active beta-casomorphin derivative, D-Pro4-beta-casomorphin 1-5 (= Deprolorphin), was tested for its capacity to induce tolerance. In animals tolerant to morphine, a previously analgesically effective test dose of the peptide was without any antinocipetive effect, demonstrating a cross-tolerance between morphine and deprolorphin.

5/7/8

DIALOG(R)File 155:MEDLINE(R)

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05250529 84174529

[Tolerance of intraduodenal tube feeding. Prospective studies of the tolerance of a 10-day, continuous intraduodenal administration of a peptide diet and its effects on various serum parameters in healthy subjects] Die Vertraglichkeit der intraduodenalen Sondenernahrung. Eine prospektive Untersuchung zur Akzeptanz einer 10tagigen, kontinuierlichen, intraduodenalen Applikation einer Peptiddiat und ihrer Auswirkung auf einzelne Serumparameter bei gesunden Probanden.

Emde C; Liehr RM; Zeitz M; Menge H

Z Gastroenterol (GERMANY, WEST) Feb 1984, 22 (2)  
p66-74, ISSN 0044-2771 Journal Code: XU1

Languages: GERMAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

Filiform nasoduodenal nutrition tubes in connection with portable infusion pumps are now available and by this way continuous enteral nutrition is given to a certain number of patients, thus avoiding expensive parenteral nutrition which demands a great deal of nursing care and bears a greater risk of complications. In order to study the acceptance and effects of this nutrition, 10 healthy persons were fed by the new system with a fiber-free, low molecular peptide diet. The probands had to write a daily protocol and, at the end of the test, had to answer a questionnaire regarding the effectivity and



social consequences of the system and their subjective sensations. Before and after the enteral nutrition phase, different serum parameters were also determined. The results show that a continuous intraduodenal nutrition by tube can be achieved outside the clinic allowing to exercise the profession. The general well-being of the probands was moderately disturbed only by the tube whereas the other points from the questionnaire were less disturbing. Regarding the serum parameters only a reduction in the serum potassium was remarkable.

5/7/9

DIALOG(R) File 155:MEDLINE(R)

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04858310 83091310

Structural requirements for neurohypophyseal peptide maintenance of ethanol tolerance.

Hoffman PL

Pharmacol Biochem Behav (UNITED STATES) Oct 1982, 17 (4)  
p685-90, ISSN 0091-3057 Journal Code: P3Q

Contract/Grant No.: AA-3817; AA-2696; DA-1951

Languages: ENGLISH

Document type: JOURNAL ARTICLE

Tolerance to the hypnotic effect of ethanol in mice is prolonged by daily subcutaneous administration of arginine vasopressin and certain analogs of this hormone. The major structural requirement for maintenance of ethanol tolerance by these peptides appears to be the N-terminal "ring" structure of vasopressin containing two amino acid residues with aromatic side chains. Peptides structurally related to the C-terminal portion of the neurohypophyseal hormones are less active in maintaining tolerance than the intact hormones. The structure-activity pattern observed for the effects of peptides on ethanol tolerance is similar to that described for neurohypophyseal peptide inhibition of extinction of an active avoidance response, an action thought to reflect peptide effects on memory consolidation. The results are in line with our hypothesis that similar CNS recognition sites may mediate neurohypophyseal peptide effects on ethanol tolerance and certain memory processes. The neurohypophyseal hormones and analogs did not affect the hypnotic or hypothermic response to an acute injection of ethanol, indicating that the determination of tolerance was not influenced by a direct peptide-ethanol interaction. The hormones themselves, however, did cause a drop in body temperature in the mice, which could be a result of either central or peripheral hormonal actions.

5/7/10

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04830199 83063199

Structure activity relationship studies with hypothalamic peptide hormones III. Effect of melanotropin-release inhibiting factor and analogs on tolerance to morphine in the rat.

Bhargava HN; Kim HS

Neuropharmacology (ENGLAND) Sep 1982, 21 (9) p917-22, ISSN 0028-3908 Journal Code: NZB

Contract/Grant No.: DA-02598

Languages: ENGLISH

Document type: JOURNAL ARTICLE

The effects of several analogs of melanotropin-release inhibiting factor (MIF, Pro-Leu-Gly-NH<sub>2</sub>) on the development of tolerance to the hyperthermic, hypothermic and cataleptic actions of morphine were investigated in male Sprague-Dawley rats. The analogs that were examined included. Pro-Gly-Gly-NH<sub>2</sub> (I), Pro-Val-Gly-NH<sub>2</sub> (II), Pro-Leu-beta-Ala-NH<sub>2</sub> (III), Pro-Leu-Gly-NHCH<sub>3</sub> (IV), Pro-Leu-NH<sub>2</sub> (V) and cyclo (Pro-Gly) (VI). Subcutaneous implantation of four morphine pellets (each containing 75 mg of morphine free base) during a 3-day period was used to develop tolerance to the pharmacological effects of morphine. Concurrent daily subcutaneous administration of any of the above peptides (I through VI) at a 10 mu mol/kg dose did not modify the development of tolerance to morphine-induced hyperthermia, hypothermia or catalepsy. The development of tolerance to morphine was, however, inhibited by equivalent doses of MIF. Treatment with these peptides did not alter the distribution of morphine in brain and plasma. It is concluded that the structural requirements for the inhibitory effect of MIF on the development of tolerance to morphine are very strict and that the following modifications in the structure of MIF result in the loss of activity (a) substitution of Gly or Val in place of Leu (b) replacement of Gly-NH<sub>2</sub> with Gly-NHCH<sub>3</sub> or beta-Ala-NH<sub>2</sub> (c) removal of Gly, and (d) removal of Leu followed by cyclization of Pro-Gly.

5/7/11

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04630418 82173418

Hypothalamic peptide hormone, prolyl-leucyl-glycinamide and analog, inhibit tolerance to the analgesic and locomotor depressant but not to the locomotor stimulant effects of morphine in the mouse.

Bhargava HN

Neuropharmacology (ENGLAND) Mar 1982, 21 (3) p227-33, ISSN 0028-3908 Journal Code: NZB

Contract/Grant No.: DA-02598

Languages: ENGLISH

Document type: JOURNAL ARTICLE

The effects of prolyl-leucyl-glycinamide (melanotropin release inhibiting factor, MIF) and cyclo(Leu-Gly) on development of tolerance to the analgesic, locomotor stimulant and

depressant effects of morphine were investigated in the mouse. Mice were made tolerant to morphine by subcutaneous implantation of pellet (each pellet contained 75 mg of morphine free base) for three days. Both MIF and cyclo(Leu-Gly) inhibited the development of tolerance to the analgesic response to a challenge dose of morphine in peptide-treated as compared to vehicle-treated morphine-tolerant mice. Morphine in a small dose (10 mg/kg) depressed spontaneous motor activity, while, in a larger dose (80 mg/kg), increased the motor activity. Implantation of a morphine pellet resulted in the development of tolerance to both the locomotor depressant and stimulant effects of morphine. Administration of MIF or cyclo(Leu-Gly) during induction of tolerance in doses (2 mg/kg/day for 3 days) that inhibited the development of tolerance to morphine-induced analgesia and locomotor depressant activity, did not alter the development of tolerance to the locomotor stimulant effect. These studies indicate that the development of tolerance to the analgesic and locomotor depressant effect of morphine may involve similar mechanisms, whereas, tolerance to the locomotor stimulant effect of morphine may be mediated via a different mechanism.

5/7/12

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04579205 82122205

Structure activity relationship studies with hypothalamic peptide hormones. I. Effect of melanotropin release inhibiting factor and analogs on tolerance to morphine in the rat.

Bhargava HN; Kim HS

J Pharmacol Exp Ther (UNITED STATES) Feb 1982, 220 (2)  
p394-8, ISSN 0022-3565 Journal Code: JP3

Contract/Grant No.: DA-02598

Languages: ENGLISH

Document type: JOURNAL ARTICLE

The effects of melanotropin release inhibiting factor (Pro-Leu-Gly-NH<sub>2</sub>; MIF) and its three analogs Pro-Ileu-Gly-NH<sub>2</sub>, Leu-Gly-NH<sub>2</sub> (a metabolite of MIF) and cyclo (Leu-Gly) (an analog derived theoretically from MIF) on tolerance to morphine-induced hyperthermia, hypothermia and catalepsy were studied in male Sprague-Dawley rats. Subcutaneous implantation of four morphine pellets (each containing 75 mg of morphine-free base) during a 3-day period resulted in the development of tolerance to these pharmacological effects of morphine as evidenced by decreased intensity of responses to designated i.p. doses of morphine. Concurrent daily s.c. administration of each peptide, injected 24 hr apart for 3 days, resulted in blockade of tolerance to the pharmacological effects of morphine as evidenced by a greater pharmacological response in peptide plus morphine-treated rats as compared with the vehicle plus morphine-treated rats. Multiple injections of peptides did

not modify morphine-induced responses in rats implanted with placebo pellets. The blockade of tolerance to morphine by these peptides was not associated with changes in the distribution of morphine in brain and plasma. These studies indicate that the following changes do not modify the inhibitory action of MIF tolerance: 1) substitution of ILeu in place of Leu in MIF; 2) cleavage of the Pro-Leu bond which gives rise to Leu-Gly-NH<sub>2</sub>; and 3) possible cyclization (diketopiperazine formation) of Leu-Gly-NH<sub>2</sub> which yields cyclo (Leu-Gly), and that linear and cyclic peptides either derived from the hypothalamus or synthesized may provide agents to block opiate-induced tolerance.

5/7/13

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04441732 81269732

The effects of a hypothalamic peptide factor, MIF and its cyclic analog on tolerance to haloperidol in the rat.

Bhargava HN

Life Sci (ENGLAND) Jul 6 1981, 29 (1) p45-51, ISSN

0024-3205 Journal Code: L62

Contract/Grant No.: DA-02598

Languages: ENGLISH

Document type: JOURNAL ARTICLE

5/7/14

DIALOG(R) File 155:MEDLINE(R)

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04429842 81257842

Development of acute tolerance during exposure of hippocampal explants to an opioid peptide.

Gahwiler BH

Brain Res (NETHERLANDS) Jul 27 1981, 217 (1) p196-200, ISSN

0006-8993 Journal Code: B5L

Languages: ENGLISH

Document type: JOURNAL ARTICLE

Bath application of FK 33-824, a stable enkephalin analogue, altered synaptic potentials and induced sustained depolarization shifts in hippocampal pyramidal cells. In a proportion of cells, these excitatory effects diminished and then disappeared within 6-8 min during FK 33-824 perfusion. This desensitization was temperature-sensitive. In contrast, no desensitization to similar excitatory effects of bicuculline was seen after acute application. This GABA-antagonist also excited cells which first had been rendered tolerant to the action of FK 33-824, but cross-tolerance occurred between FK 33-824 and (D-Ala)<sup>2</sup>-(D-Leu)<sup>5</sup>-enkephalin.

5/7/15

DIALOG(R) File 155:MEDLINE(R)

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04396016 81224016

Neurohypophyseal peptide influences on ethanol tolerance and acute effects of ethanol.

Hoffman PL; Ritzmann RF; Tabakoff B

Pharmacol Biochem Behav (UNITED STATES) 1980, 13 Suppl 1  
p279-84, ISSN 0091-3057 Journal Code: P3Q

Contract/Grant No.: AA-3817; AA-2696; DA-2024; +

Languages: ENGLISH

Document type: JOURNAL ARTICLE

The neurohypophyseal hormone, arginine vasopressin (AVP), was previously shown to prolong the duration of ethanol tolerance in mice. Since drug tolerance and certain memory-related processes are examples of CNS adaptation, these phenomena have been proposed to share underlying mechanisms. We investigated the effects on ethanol tolerance of two other neurohypophyseal peptides, both of which modulate memory consolidation or retrieval of information. (Des-9-glycinamide, 8-lysine) vasopressin (DGLVP), like AVP, maintained ethanol tolerance in C57Bl mice, while cyclo(Leu-Gly) (cLG), at an equimolar dose, was ineffective. Thus, various neurohypophyseal peptides may differentially influence CNS adaptive phenomena. Direct peptide effects on ethanol-induced hypothermia and "sleep time," the parameters used to evaluate ethanol tolerance, were also determined. AVP per se caused hypothermia in mice, but neither AVP nor cLG affected ethanol-induced hypothermia. Both peptides, however, increased "sleep time" after acute ethanol administration. Although these direct peptide-ethanol interactions do not account for the observed peptide effects on tolerance, the findings emphasize the importance of using several parameters to assess ethanol tolerance.

5/7/16

DIALOG(R)File 155:MEDLINE(R)

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04127956 80238956

Inhibition of development of tolerance to morphine by a peptide related to ACTH.

Stewart JM; Chipkin RE; Channabasavaiah K; Gay ML; Krivoy WA  
Adv Biochem Psychopharmacol (UNITED STATES) 1980, 22  
p305-12, ISSN 0065-2229 Journal Code: 2I8

Languages: ENGLISH

Document type: JOURNAL ARTICLE

5/7/17

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04001415 80112415

Languages: JAPANESE  
Document type: JOURNAL ARTICLE

4/3/51  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03111503 77013503  
Tolerance and dependence evoked by an endogenous opiate  
peptide. Lampert A; Nirenberg M; Klee WA  
Proc Natl Acad Sci U S A (UNITED STATES) Sep 1976, 73 (9)  
p3165-7, ISSN 0027-8424 Journal Code: PV3  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE  
? s s4 not glucose

51 S4  
166676 GLUCOSE  
S5 18 S4 NOT GLUCOSE  
? t s5/7/1-18

5/7/1  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

✓ 07301325 90208325  
Limit of T cell tolerance to self proteins by peptide  
presentation. Schild H; Rotzschke O; Kalbacher H; Rammensee HG  
Max-Planck-Institut fur Biologie, Abteilung Immungenetik,  
Tubingen, Federal Republic of Germany.  
Science (UNITED STATES) Mar 30 1990, 247 (4950)  
p1587-9, ISSN 0036-8075 Journal Code: UJ7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

Cytotoxic T lymphocytes (CTLs) recognize foreign peptides  
bound to major histocompatibility complex (MHC) class I  
molecules. MHC molecules can also bind endogenous self  
peptides, to which T cells are tolerant. Normal mice contained  
CTLs specific for self peptides that were from proteins of  
ubiquitous or tissue-restricted expression. In vivo, these  
endogenous self peptides are not naturally presented in  
sufficient density by somatic cells expressing MHC class I  
molecules. They can, however, be presented if added exogenously.  
Thus, our data imply that CTLs are only tolerant of those  
endogenous self peptide sequences that are presented by  
MHC class I-positive cells in a physiological manner.

5/7/2  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07081116 89383116

[Increasing myocardial tolerance of global ischemia and reperfusion injury using a synthetic peptide]

Povyshenie s pomo'shchiu sinteticheskogo peptida tolerantnosti miokarda k "globa'lnoi ishemii" i reperfuzionnym povrezhdeniim.

Dvortsin GF; Shatalov VN

Kardiologiya (USSR) Jun 1989, 29 (6) p85-8, ISSN 0022-9040  
Journal Code: KU9

Languages: RUSSIAN Summary Languages: ENGLISH

Document type: JOURNAL ARTICLE English Abstract

The synthetic tripeptide Tyr-Pro-Arg was tested for its cardioprotective effect when added to the cardioplegic solution or when used during reperfusion (R) after "global myocardial ischemia" (GMI). After the baseline functional parameters had been recorded, the isolated perfused hearts (IPH) from rats with the working left ventricle were subjected to 30-minute GMI at 37 degrees C. When the tripeptide was added to the cardioplegic solution ( $3.10(-9)$  M), the degree of the functional recovery of IPH was higher after GMI than when a "pure" cardioplegic solution was applied. The functional parameters of IPH were restored to a considerable extent (up to 70-100%) when the tripeptide was added to the perfusate in the same concentration during R following GMI of 30-minute duration at 37 degrees C. Without the tripeptide, the function of IPH was not restored. Thus, the synthetic analogue of the endogenous opioids, Tyr-Pro-Arg" enhances the tolerance of rat IPH myocardium to exposure to GMI and R.

5/7/3

DIALOG(R) File 155:MEDLINE(R)

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06933587 89235587

Peptide-specific prevention of experimental allergic encephalomyelitis. Neonatal tolerance induced to the dominant T cell determinant of myelin basic protein.

Clayton JP; Gammon GM; Ando DG; Kono DH; Hood L; Sercarz EE  
University of California, Department of Microbiology, Los Angeles 90024. J Exp Med (UNITED STATES) May 1 1989, 169 (5) p1681-91, ISSN 0022-1007 Journal Code: I2V

Contract/Grant No.: AI-11183

Languages: ENGLISH

Document type: JOURNAL ARTICLE

Experimental allergic encephalomyelitis (EAE) is a model of antigen-specific T cell-mediated autoimmune disease. The alpha-acetylated, NH2-terminal nine amino acids (1-9NAC) of myelin basic protein (MBP) represents the dominant T cell epitope for the induction of EAE in the B10.PL (H-2u) strain. We tolerized neonatal B10.PL mice to 1-9NAC and studied the proliferative responses to this peptide and to whole MBP. Mice exposed to 1-9NAC in the neonatal period were tolerant to subsequent challenge at the proliferative T cell level. Similarly, in the 1-9NAC-tolerant group, both the incidence and severity of 1-9NAC induced EAE were greatly

reduced. The fact that we were able to tolerize mice normally responsive to MBP suggests that this self antigen is sequestered (within the central nervous system) and hence tolerance to it is not normally induced. No significant difference in disease incidence was seen in response to rat MBP between control animals and 1-9NAC-tolerized mice (50% in both groups), demonstrating the presence of at least one additional encephalitogenic determinant elsewhere on the molecule. We have successfully prevented disease induction by peptide-induced tolerization. Tolerance induction by peptides provides a new and specific strategy in the prevention of autoimmunity. However, it will be clearly necessary to fully define all epitopes potentially capable of inducing pathogenic T cells to ensure complete and effective therapy of T cell-mediated autoimmune disease.

5/7/4

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06693216 88338216

Brain monoamines are involved in mediating the action of neurohypophyseal peptide hormones on ethanol tolerance.

Szabo G; Kovacs GL; Telegdy G

Department of Pathophysiology, University Medical School, Szeged, Hungary.

Acta Physiol Hung (HUNGARY) 1988, 71 (3) p459-66, ISSN 0231-424X Journal Code: 1RS

Languages: ENGLISH

Document type: JOURNAL ARTICLE

Two doses (0.3 and 3 ng peptide/animal) of oxytocin (OXT) and lysine-8-vasopressin (LVP) were earlier found to inhibit the development of tolerance to the hypothermic effect of ethanol in mice upon icv. administration. In the present paper the possible central monoaminergic correlates of the behavioral data were investigated. In tolerant animals the steady-state level of noradrenaline (NA) was increased in the hypothalamus, as was that of dopamine (DA) in the medulla oblongata; the serotonin (5-HT) and DA levels were decreased in the striatum as compared to those in the non-tolerant control. In the peptide-pretreated animals the NA level was increased in the hypothalamus, the DA level in the striatum, and the 5-HT level in the hippocampus and striatum. Opposite changes were observed in the steady-state levels of the monoamines in the hippocampus and striatum as compared to those in the tolerant controls. The data suggest that the central monoamines may be involved in mediating the actions of neurohypophyseal peptides on ethanol tolerance.

5/7/5

DIALOG(R) File 155:MEDLINE(R)

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06554010 88199010

✓ Neonatal exposure to immunogenic peptides. Differential susceptibility to tolerance induction of helper T cells and B cells reactive to malarial circumsporozoite peptide epitopes.

Pombo D; Maloy WL; Berzofsky JA; Good MF

Laboratory of Parasitic Diseases, National Institute of Allergy and Infectious Diseases, Bethesda, MD 20892.

J Immunol (UNITED STATES) May 15 1988, 140 (10)  
p3594-8, ISSN 0022-1767 Journal Code: IFB

Languages: ENGLISH

Document type: JOURNAL ARTICLE

The effects of neonatal administration of immunogenic peptides on subsequent T and B cell function were tested using defined T and B cell peptide epitopes from the circumsporozoite (CS) protein of the human malaria parasite, Plasmodium falciparum. We observed that neonatal exposure of responder strain mice to either of the two major murine T sites on the CS protein resulted in specific tolerance of both helper and proliferating T cells. One of these T sites, (NANP)n, is also the immunodominant B epitope on the CS protein. We took advantage of this fact to directly compare the effects of neonatal peptide administration on B and T cell function and observed that mice whose helper and proliferating T cells were tolerant to (NANP)n nevertheless produced normal levels of anti-(NANP)n antibodies after immunization with keyhole limpet hemocyanin-(NANP)n. Our results demonstrate differential susceptibility of the Th cells and B cells to toleragens and suggest that self-tolerance to peptide epitopes during the neonatal period reflects predominantly Th cell tolerance.

5/7/6

DIALOG(R) File 155:MEDLINE(R)

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05952100 86253100

✓ Induction of tolerance to one determinant on a synthetic peptide does not affect the response to a second linked determinant. Implications for the mechanism of neonatal tolerance induction.

Gammon GM; Oki A; Shastri N; Sercarz EE

J Exp Med (UNITED STATES) Aug 1 1986, 164 (2) p667-72, ISSN 0022-1007 Journal Code: I2V

Languages: ENGLISH

Document type: JOURNAL ARTICLE

To investigate the mechanism underlying neonatal T cell tolerance, we used synthetic peptides to induce tolerance. We found that induction of tolerance to one determinant on a 23-amino acid peptide did not affect the response to an adjacent determinant on the same peptide. There was no evidence of suppression of the response to the second determinant. Furthermore, even small peptides near the minimal size for a determinant, which would be very unlikely to possess a suppressor T cell-inducing determinant as well as a proliferative T cell-inducing determinant, could induce

Peptide--neurotransmitter interactions influencing ethanol tolerance. Hoffman PL; Tabakoff B  
Drug Alcohol Depend (SWITZERLAND) May-Jul 1979, 4 (3-4)  
p249-53, ISSN 0376-8716 Journal Code: EBS

Languages: ENGLISH

Document type: JOURNAL ARTICLE

Chronic exposure of mice to ethanol leads to the development of functional tolerance to the hypothermic and sedative effects of this drug. Treatment of the animals with the mammalian antidiuretic hormone, arginine vasopressin, results in a prolonged duration of such tolerance, in comparison to animals exposed to ethanol but not to the hormone. Another neurohypophyseal hormone, oxytocin, at an equimolar dose, is ineffective in maintaining tolerance. The centrally mediated effects of arginine vasopressin on memory processes may be related to the hormone-induced prolongation of ethanol tolerance.

5/7/18

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03111503 77013503

Tolerance and dependence evoked by an endogenous opiate peptide. Lampert A; Nirenberg M; Klee WA

Proc Natl Acad Sci U S A (UNITED STATES) Sep 1976, 73 (9)  
p3165-7, ISSN 0027-8424 Journal Code: PV3

Languages: ENGLISH

Document type: JOURNAL ARTICLE

Incubation of neuroblastoma X glioma hybrid cells for 12-97 hr with methionine-enkephalin results in an increase in adenylate cyclase activity [ATP pyrophosphate-lyase (cyclizing), EC 4.6.1.1] that is mediated by the opiate receptor. The results show that cells become tolerant to, and dependent upon, enkephalin.

? s allerg?/ti and tolerance/ti and peptide/ti

28495 ALLERG?/TI

16754 TOLERANCE/TI

25078 PEPTIDE/TI

S6 1 ALLERG?/TI AND TOLERANCE/TI AND PEPTIDE/TI ? t  
s6

6/2/1

DIALOG(R)File 155:MEDLINE(R)

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✓ Peptide-specific prevention of experimental allergic encephalomyelitis. Neonatal tolerance induced to the dominant T cell determinant of myelin basic protein.

Clayton JP; Gammon GM; Ando DG; Kono DH; Hood L; Sercarz EE

University of California, Department of Microbiology, Los Angeles  
90024. J Exp Med (UNITED STATES) May 1 1989, 169 (5)  
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Tags: Animal; Female; Male; Support, Non-U.S. Gov't; Support,  
U.S. Gov't, P.H.S.

Descriptors: \*Animals, Newborn--Immunology--IM; \*Antigenic  
Determinants --Immunology--IM; \*Encephalitogenic Basic  
Proteins--Immunology--IM; \*Encephalomyelitis,  
Allergic--Immunology--IM; \*Immune Tolerance;  
\*T-Lymphocytes--Immunology--IM; Immunization; Mice; Peptide  
Fragments --Immunology--IM

CAS Registry No.: 0 (Antigenic Determinants); 0  
(Encephalitogenic Basic Proteins); 0 (Peptide Fragments)

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